

# Jasmine Kiley

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## EDUCATION

<b>University of Cambridge</b> <i>PhD in Obstetrics and Gynaecology</i> Working Thesis Title: “Experiences and Outcomes of Pregnant Women with Cardiac Conditions”	Cambridge, UK Expected Sep 2027
<b>Tulane University</b> <i>BS in Biological Chemistry, Minor in Public Health</i> 4.0/4.0 GPA, Summa Cum Laude, Phi Beta Kappa, Omicron Delta Kappa, William Wallace Peery Valedictory Society	New Orleans, USA Aug 2020 – May 2024

## PUBLICATIONS

- [1] **Kiley, J.X.**, Corlett, A., Mitchell-Sparke, E., Jasper, B., Wishlade, T., Bhagra, C., Wetzler, S., Aiken, C. “Postnatal experiences of women with cardiac conditions: a systematic review and meta-synthesis,” (Under review at AJOG MFM).
- [2] Zhou, Q., Li, G., **Kiley, J.X.**, Ogola, B., Danso, E., Buckner, L., Desrosiers, L., Knoepp, L., Lindsey, S.H., Brown, J.Q., Miller, K.S. “Vaginal Biomechanical Function and Composition in Premenopausal and Postmenopausal Women with and without Pelvic Organ Prolapse,” (Under review at Scientific Reports).
- [3] **Kiley, J.X.**, Corlett, A., Mitchell-Sparke, E., Jasper, B., Wishlade, T., Bhagra, C., Wetzler, S., Aiken, C. “Antenatal experiences of pregnant women with cardiac conditions: a systematic review and meta-synthesis,” (Under review at AJOG Global Reports).
- [4] **Kiley, J.X.**, Miller, K.S. (2024). “Desmosine Content and Passive Mechanics of the Elastic Fiber Deficient Murine Uterus,” *Tulane Undergraduate Research Journal*.
- [5] White, S.E., **Kiley, J.X.**, Visniauskas, B., Lindsey, S.H., Miller, K.S. (2022). “Biaxial Murine Vaginal Remodeling with Maternal Aging,” *Journal of Biomechanical Engineering*.
- [6] Ogola, B., Abshire, C., Visniauskas, B., **Kiley, J.X.**, Horton, A., Clark-Patterson, G., Kilanowski-Doroh, I., Diaz, Z., Bicego, A., McNally, A., Zimmerman, M., Groban, L., Miller, K.S., Lindsey, S. (2022). “Sex Differences in Vascular Aging and Impact of GPER Deletion,” *American Journal of Physiology – Heart and Circulatory Physiology*.

## FELLOWSHIPS AND AWARDS

<b>Fulbright Open Award, United Kingdom</b> <ul style="list-style-type: none"><li>Most competitive Fulbright award in the world, supporting study at the University of Cambridge</li></ul>	Sep 2024 – Jul 2025
<b>Stamps Scholarship</b> <ul style="list-style-type: none"><li>Full-ride scholarship awarded to the top 4 students in the incoming Tulane undergraduate class for leadership, perseverance, scholarship, service, and innovation</li></ul>	Aug 2020 – May 2024
<b>Goldwater Scholarship</b> <ul style="list-style-type: none"><li>National recognition and \$15,000 scholarship awarded to high achieving 2<sup>nd</sup> and 3<sup>rd</sup> year undergraduate students who show promise for excellence in a career dedicated to STEM research</li></ul>	Mar 2022
<b>OAK National Leader of the Year in Service to Campus and Community</b> <ul style="list-style-type: none"><li>National recognition awarded to 1 member of Omicron Delta Kappa for commitment to service and leadership</li></ul>	May 2024
<b>Dan Gelfand Award for Outstanding Premedical Member</b> <ul style="list-style-type: none"><li>International recognition awarded to 1 member of Phi Delta Epsilon International Medical Fraternity who exemplifies fraternity values of philanthropy, deity, equity, and education</li></ul>	Feb 2023
<b>Tulane University Novel Tech Challenge, First Place Prize</b> <ul style="list-style-type: none"><li>Interdisciplinary team of 4 undergraduate and graduate students awarded \$10,000 for development of a lateral flow prototype for a home-use test for endometriosis diagnosis</li></ul>	Apr 2022

## EXPERIENCE

<b>Aiken Group</b> (University of Cambridge Department of Obstetrics and Gynaecology) <i>Graduate Researcher</i> <ul style="list-style-type: none"><li>Investigating experiences and outcomes of cardiac obstetric patients through 2 systematic reviews and a local questionnaire</li><li>Launching UK Obstetric Surveillance System study to construct first comprehensive dataset for pregnant women who have undergone cardiothoracic transplants</li></ul>	Cambridge, UK Oct 2024 – Present
<b>Tutor and Application Consultant</b> (Kyros AI, Self Employed) <ul style="list-style-type: none"><li>Tutoring over 20 students in high school sciences, biology, calculus, chemistry, biochemistry, organic chemistry, MCAT, SAT, and ACT; consulting for undergraduate and medical school applications through essay review and interview coaching</li></ul>	Jan 2021 – Present

**Biomechanics of Growth and Remodeling Laboratory** (Tulane University Department of Biomedical Engineering, University of Texas at Dallas Department of Bioengineering) New Orleans, USA

*Undergraduate Researcher*

Aug 2020 – May 2024

- Quantified the mechanical properties of the female reproductive system with increasing age and biochemical treatments
- Presented at 1 national conference and 8 campus symposiums; defended honors thesis in biological chemistry

**Academic Learning and Tutoring Center** (Tulane University)

New Orleans, USA

*Supplemental Instruction (SI) Captain, Supplemental Instruction Leader*

Aug 2021 – May 2024

- SI Leader for Intro to Cell and Molecular Biology (average 300 students per semester) for 6 semesters; developed twice-weekly review lectures, practice exams, and study plans for students
- Coordinated and mentored a team of 50 SI leaders as SI Captain during 2023-2024 academic year
- Received Newcomb Tulane College Dean's Service Award (2024) and Outstanding SI Leader Award (2022, 2024)

**Zhao Laboratory** (National University of Singapore Centre for Bioimaging Sciences)

Singapore, Singapore

*Amgen Scholar*

May 2022 – Aug 2022

- Employed molecular biology and biophysical techniques to characterize the diffusion of green fluorescent protein mEmerald
- Presented at 1 international conference and 3 campus symposiums

## SKILLS

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**Languages:** English (native proficiency), Spanish (professional working proficiency), Mandarin (limited working proficiency)

**Laboratory:** Western blot, pressure catheterization, mouse dissection, animal colony handling, histological analysis, ultrasound, surgical wound reclosure, ELISA, extension inflation testing, immunofluorescent image analysis, plasmid construction, protein expression, cell culture, affinity chromatography, fluorescence correlation spectroscopy

**Software/Programming:** R, nVivo, Rayyan, GNU Image Manipulation Program (GIMP), Fiji/ImageJ, GraphPad Prism, Stata, MATLAB

## ACTIVITIES & LEADERSHIP

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**Churchill College Middle Common Room**

Cambridge, UK

*Foreign Affairs Officer*

Oct 2024 – Present

- Managing external communications and publicity for the graduate student body; collaborating and organizing events with other Cambridge colleges; serving as representative to Churchill College Estates Committee and Estates Task and Finish Committee

**Cambridge Reproduction**

Cambridge, UK

*Postgraduate Representative*

Oct 2024 – Present

- Serving as 1 of 2 postgraduate representatives to the Steering Committee to inform the direction of the organization; founding the Early Career Researcher Committee to augment establishment of cross-disciplinary collaboration; developing AI workshops

**Women's Health Under the Microscope**

Cambridge, UK

*Member*

Oct 2024 – Present

- Raising awareness and increasing accessibility of pertinent women's health issues through weekly social media posts
- Organizing and writing articles for "Breaking the Silence about Uterine Fibroids: Confronting the Inequalities in Women's Health," an ongoing movement to increase life quality for those with uterine fibroids in the UK

**Churchill College Boat Club**

Cambridge, UK

*Novice Rower*

Oct 2024 – Present

- Won 1<sup>st</sup> place in the 2024 Fairbairn's Novice Women VIII's Division II with the 3<sup>rd</sup> fastest division time in race history

**Phi Delta Epsilon Medical Fraternity**

New Orleans, USA

*President*

Sep 2020 – May 2024

- Spearheaded reform efforts that led to Tulane's chapter receiving the Phoenix Award for the Most Improved Chapter in 2022; raised over \$10,000 for Children's Miracle Network
- Led Tulane's chapter to receive the Award for Chapter Excellence in 2023; served on Presidents' Advisory Committee
- President (Nov 2022 – Nov 2023), Vice President of Finance (Nov 2021 – Nov 2022), Academic Chair (Jan 2021 – Dec 2021)

**After School Newcomb Tutoring**

New Orleans, USA

*President*

Sep 2020 – May 2024

- Volunteered to tutor elementary school students from New Orleans in science and math; mentored over 100 tutors on connecting with students and developing teaching skills
- President (Apr 2023 – May 2024), Treasurer (May 2022 – Apr 2023), Senior Tutor (Apr 2021 – May 2022)

**Tulane Symphony Orchestra**

New Orleans, USA

*Principal Second Violinist* (Aug 2022 – May 2024)

Aug 2020 – May 2024

- Led second violin section throughout weekly rehearsals and biannual performances